

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-198819
 (43)Date of publication of application : 06.08.1996

(51)Int.Cl. C07C205/58
 C07C205/56

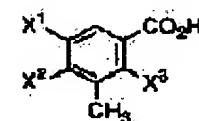
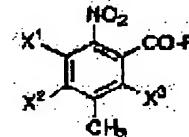
(21)Application number : 07-027271 (71)Applicant : HOKURIKU SEIYAKU CO LTD
 (22)Date of filing : 24.01.1995 (72)Inventor : ITO YASUO
 KATO HIDEO
 YASUDA SHINGO
 KATO NORIYUKI
 YOSHIDA TOSHIHIKO
 YAMAMOTO YOICHI

(54) (2,3,5-TRIHALOGENO-4-MÉTHYL)NITROBENZENE DERIVATIVE

(57)Abstract:

PURPOSE: To obtain the subject derivative, having a structure in which nitro and methyl groups are simultaneously present at the p-positions and useful as a synthetic intermediate for an antimicrobial agent.

CONSTITUTION: This derivative of formula I [R is OH, Cl, CH(CO₂R₁)₂, CH₂CO₂R₁ or C(=C-R₂)CO₂R₁ (R₁ is a lower alkyl; R₂ is a lower alkoxy or cyclopropylamino); X₁ to X₃ are each a halogen], e.g. 2,4,5-trifluoro-3-methyl-6-nitrobenzoic acid. Furthermore, the objective derivative is preferably obtained by nitration, etc., of a 2,4,5-trihalogeno-3-methylbenzoic acid, etc., of formula II with a nitrating agent such as nitric acid in a solvent such as sulfuric acid under conditions of cooling with ice to heating and refluxing with a solvent.



LEGAL STATUS

[Date of request for examination] 18.01.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision]

of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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